

Attachment 13

Stormwater Resources Plan

Rohner Creek Flood Control and Riparian Habitat Improvement Project

The City of Fortuna (Fortuna) has a set of documents, *The 2005 Storm Drainage Master Plan* and Section 7.3 of Fortuna's General Plan, titled *Storm Water Drainage* functionally incorporate all standards detailed in the California Water Code (CWC) Stormwater Resource Planning Act Sections 10560-10564 (the Act), inclusive. Fortuna satisfies the CWC standards and objectives; which is described below.

Fortuna Municipal Code (FMC) Section 13.80.100, Discharge of Pollutants, prohibits non-storm water discharges to storm drains unless the non-storm water discharge is in compliance with a NPDES permit issued for discharge (complies with CWC 10561 A and B – contamination and improved stormwater management and CWC 10562 B5 – consistent with applicable waste discharge permits). FMC Section 13.80.100, Reduction of Pollutants in Urban Runoff, provides BMPs for construction activities to prevent the discharge of construction wastes or contaminants from entering the storm drains (complies with CWC 10562 C5). FMC Policy PFS-5.8 encourages onsite storm water detention facilities to mitigate drainage impacts and reduce stormwater drainage system costs; this policy complies with CWC 10561 E – enhancing supply by allowing stored stormwater to percolate naturally into the ground and CWC 10562 D1 – opportunities to augment local water supply through groundwater recharge. The proposed flood control and riparian habitat project will incorporate BMPs for protection of Rohner Creek consistent with the sections of the FMC and CWC discussed above.

FMC Policy PFS-5.18 promotes the protection of watersheds and drainage systems within Fortuna by requiring mitigation from developers and by requiring that new development not increase the existing 25-year peak runoff volume from a site-complies with CWC 10562 B1 – development of the stormwater resource plan on a watershed basis. FMC Policy PFS-5.20 encourages new development and redevelopment to incorporate Low Impact Development (LID) techniques, such as bioswales and permeable pavement, to minimize storm water runoff and comply with the statewide general NPDES permit, complies with CWC 10564 – LID for new development and redevelopment projects that employ natural and constructed features that reduce the rate of stormwater runoff, filter out pollutants, facilitate stormwater storage onsite, infiltrate stormwater into the ground, or improve the quality of receiving groundwater and surface water. Additionally, Fortuna has established programs to meet CWC standards and objectives. FMC Program NCR-4 manages the extent of impervious coverage and provides direction to minimize directly connected impervious areas; this program complies with CWC 10563, 5A – reducing effective impermeability and directing stormwater to permeable surfaces. FMC Program NCR-6 requires the use of basic water quality strategies that self-treat run-off and re-establish natural treatment and infiltration, complies with CWC 10562 D3 – reestablishing natural water drainage treatment and infiltration systems.

The Rohner Creek Flood Control and Riparian Habitat Improvement Project will achieve CWC objectives. Specifically, the project will naturally detain additional peak flows; improve water quality by trapping

pollutants and sediment, and create additional environmental and societal benefits and enhancing riparian habitat.